

TEMPERATURE AND DENSITY.

1284

Station-No. 1 0 0 1	
Date, H Jan 1889	
Time of day, (S) Oam; of tide, Eth	
Locality Off Care Frear	
Locality, Of Caje Freau Exact position, 33 48 10	
78 04.45	
Depth, blackous	
Nature of bottom, gray sand + gravel	
Dredging instrument used, Olldge	
Direction of drift, Sw. Lw; distance, Temperature of air, 54° therm. No.545	1
Temperature of air, 54° therm. No.545	4
of surface water, 50.5 . 5365	5
" at depth of fathoms, "	
at bottom;	
Density at surface, 624, 5 temp., 56.5	
" at depth of fathoms, "	
" at bottom,	
Number of salinometer, 5 249	
Barometer reading, '50. LY	
State of sky, Clean	
Direction of wind, We; force, mrderate	
Rain,	
Direction of surface current, Styl ; force,	
" of bottom " ; force,	
Name of vessel, " "Rawk"	
Service to which attached, W.S. F. C.	
Name and rank of commanding officer,	
Retail blate dient U.S.N	
Name and position of observer, CNSS. adams W	1
.D.F. E. W Emptrical	

Dredge fouled and lost, according H instructions no bottom density and templeatine were taken, sounding apparatus word being in pasition. Station No. 1387

Exact position, 33-48-10

Depth L. 5 Jarly ans

Time of day,

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

78 04 45

M, of tide, Chlo

S Decestion	
Nature of bottom, Caral	
Dredging instrument used, dudge	0
Direction of drift, Smale ; distance	
Temperature of air, 54 °	therm. No.,545
of surface water, 5 2	7362
" at depth of fathoms,	2.4
at bottom,	**
Density at surface, \ \ \ 24.5	temp., 5 2
" at depth of fathoms,	
" at bottom,	44
Number of salinometer, 5249	
Barometer reading, 30.25	
State of sky, Clear	
Direction of wind, Would; force,	Light
Rain,	•
Direction of surface current, SW;	force,
" of bottom " A :	force,
Name of vessel, "Till Haw	<i>K</i> "
Service to which attached, U.S.F.	
Name and rank of commanding officer,	
Votrit Class Vie	r. 2 W In
Name and position of observer CV3	
Ossistant U.S.F.C.	

Specimens of Coral Sponse Sea vereline, small ogster shells with sponge attached, a few live ogsters, driels, starfish varing Ophiophelis aculeata. Station No. 1 3 87

Exact position, 33 48 10

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

Time of day, 21,45 Pen; of tide, Carry flo Locality, Off care from

78 04 45

Depth, 6 falling
Nature of bottom, C mal.
Dredging instrument used, Ondge
Direction of drift, 3W ; distance,
Temperature of air, 54 therm. No., 5454
" of surface water, 52 " 5385
" at depth of fathoms, "
" at bottom, "
Density at surface, 23.5 temp., 52
" at depth of fathoms, "
" at bottom,
Number of salinometer, 5249
Barometer reading, 3024
State of sky. Clear
State of sky, Clear Direction of wind, State of sky, Glear ; force, light
Rain,
Direction of surface current, ; force,
" of bottom " : force.
Name of vessel, Bish Mauril'
Service to which attached, U.S.A.C
Name and rank of commanding officer,
Boher Rath Sum US.n
Name and position of observer, CN39. adams With
aset U.S. F. Commisia

Here star file, sand and

TEMPERATURE AND DENSITY.

Date, Han TY
Time of day, Broken; of tide, Word
Locality, off Cape tan
Exact position, 33 48 10
78 04 45
Depth, 7 Jarlinus
Nature of bottom, Rock
Dredging instrument used, drudge
Direction of drift, 3, W. ; distance,
Temperature of air, 53 therm. No.545
of surface water, 52 "5361
" at depth of fathoms, "
" at bottom, "
Density at surface, 1024 temp., 52
" at depth of fathoms, "
" at bottom, "
Number of salinometer, 5279
Barometer reading, 30.24
State of sky, Claa
Direction of wind, W; force, light
Rain,
Direction of surface current, ; force,
of bottom "; force,
Name of vessel, I wish "Hank
Service to which attached, U.S. 7:C.
Some and rank of commanding officer,
(Ketest Hate Lint U.S.M.
Name and position of observer COS. adams. Who
Dest U.S.F.C.

Springe Coral Lea Wedins

TEMPERATURE AND DENSITY.

. 171	
Station No. 13 8 (?)	
Date, Feb 19 1	892
Time of day, 7,50 AW; of tide,	Flood
Locality, off Henry Dr	Panel Mel
Exact position, Thomas Ph Sh	
Blooky PASIN, STW. S	- in mile
Depth, 17 faction	
Nature of bottom, mudo.	
Dredging instrument used, France	we your
Direction of drift, N.W.; dis-	
Temperature of air, 38°	therm. No.,
" of surface water,	64
" at depth of fathoms,	á.
at hottom,	u
Density at surface,	temp.,
" at depth of fathoms,	44
" at bottom,	41
Number of salinometer,	
Barometer reading, 30, 32	
State of sky, Claudy	
Direction of wind, Calm; for	ee 0
Rain, Harry	
Direction of surface current,	· form
" of bottom "	; force,
Name of vessel, Hish Ha	; force,
Name of vessel,	70
Service to which attached, 26	R ROTT
Nayl and rank of commanding officer,	
Name and position of observer, CA	101
Name and position of observer,	La sucialis

NOTES RELATING TO STATION NO. 1888

Obtained a few less Perch
and a quantity of deal Sho Lich and decomposed Mad
also about a peck of ceal
aches their dise

Chespela Bay

TEMPERATURE AND DENSITY.

Station No. 1389
Date, Feb 19" 1892
Time of day, 9 / Call of tide. How
Locality, Off Kent Island
Exact position. The Phat is Hawaw I's mile
Pelindy PASIAN MENNEN 1.2 miles
Depth. 15 faths
Nature of bottom Meeds
Dredging instrument used. The Bear Jaco
Dredging instrument used. 7 Beau Jacob Direction of drift, it is distance, in the distance,
Temperature of air, 67 therm. No.,
of surface water, & 5
· at depth of fathoms. ·
at bottom,
Density at surface, temp.,
" at depth of fathoms,
·· at hotiom.
Number of salinometer:
Barometer reading, \$0,30
State of sky, Cloudy
Direction of wind, A 5; force, 2
Hain, Mary
~ /
Direction of surface current, ; force,
" of bottom "; force, Name of vessel, HishHead
0. 0 = 1
S Merch
Name and rank of commanding officer,
Luch Reformation
Name and position of observer,

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611 Checapeale Bay

RECORD OF DREDGING.

TEMPERATURE AND DENSITY:

Tame and the benefit it
Station No. 1390
Date, Feb 19" 1892
Time of day. 12 50 Mortide. Ebb
Exact position, Com Ph St. No. W4 S
2 34 miles aprox
Depth. 18 fathers
Nature of bottom, mudo
Dredging instrument used. 7 ft B France
Direction of drift, . W. WW; distance, If Mich
Temperature of air, 40 therm. No.,
·· of surface water, 3
·· at depth of fathoms, ··
" at bottom, 38 "
Density at surface, 10,06, temp., 58
" at depth of fathoms, "
at bottom, /0, /3, 38
Number of salinometer, 7047 , But Longia
Barometer reading. 36,24
State of sky. Clarky
Direction of wind, S & ; force, S
Room, Hazy
Direction of surface current, ; force,
Name of vessel. Tish Heart
Service to which attached,
Name and rank of commanding officer.
Name and position of observer, ON Cherry
Name and position of observer,

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TEMPERATURE AND DENSITY.

Station No. Date, Time of day. : of tide. Locality, Exact position. Depth. Nature of bottom. Dredging instrument.used, Direction of drift. ; distance, therm. No., Temperature of air. of surface water, " at depth of fathoms, at bottom, Density at surface. temp., at depth of fathoms. " at bottom. Number of salinometer, Barometer reading. State of sky. Direction of wind, ; force. Rain. Direction of surface current, : force. of bottom " : force.

Name and position of observer,

Name and rank of commanding officer.

Service to which attached,

Name of vessel,

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Name of vessel,

Service to which attached,

Name and rank of commanding officer,

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Name and rank of commanding officer.

Service to which attached,

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Station No. Date, Time of day, : of tide, Locality, Exact position. Depth, Nature of bottom. Dredging instrument used, Direction of drift, ; distance. therm. No., Temperature of air. " of surface water, at depth of fathoms. at bottom, Density at surface, temp., " at depth of fathoms, at bottom. Number of salinometer. Barometer reading. State of sky. Direction of wind, ; force, Rain. Direction of surface current. ; force, " of bottom " ; force, Name of vessel, Service to which attached,

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Name and position of observer,

Name and rank of commanding officer,

Service to which attached,

Name of vessel,

TEMPERATURE AND DENSITY.

Station No.

Date.

Time of day, ; of tide,

Locality,

Exact position.

Depth,

Nature of bottom,

Dredging instrument used.

Direction of drift, ; distance,

Temperature of air, therm. No.,

·· of surface water,

" at depth of fathoms, "

at bottom, ...

Density at surface, temp.,

" at depth of fathoms, "

at bottom. ...

Number of salinometer.

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

of bottom "; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

TEMPERATURE AND DENSITY.

Station No.

Date.

Time of day, ; of tide,

Locality,

Exact position.

Depth,

Nature of bottom,

Dredging instrument used,

" of surface water,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" at depth of fathons. "

at bottom, ...

Density at surface, temp.,

" at depth of fathoms, "

at bottom.

Number of salinometer.

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

" of bottom "; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Station No.

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TEMPERATURE AND DENSITY.

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; force,

; force.

Name of vessel.

Rain.

Service to which attached,

Direction of surface current,

of bottom

Name and rank of commanding officer,

TEMPERATURE AND DENSITY.

Station No. Date. Time of day, : of tide. Locality. Exact position. Depth. Nature of bottom, Dredging instrument used. Direction of drift, ; distance, Temperature of air. therm. No., of surface water, at depth of fathoms. at hottom. Density at surface. temp. " at depth of fathoms, " at bottom. Number of salinometer. Barometer reading. State of sky. Direction of wind, ; force, Rain. Direction of surface current, ; force,

; force,

Name of vessel,

Service to which attached,

" of bottom "

Name and rank of commanding officer,

TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water,

" at depth of fathonis, "

at bottom, ...

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer.

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

of bottom : "; force,

Name of vessel.

Service to which attached,

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; force,

Name of vessel,

Service to which attached,

" of bottom "

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Name of vessel,

Service to which attached,

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TEMPERATURE AND DENSITY.

Date,
Time of day, ; of tide,
Locality,
Exact position.

Depth,

Station No.

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No., of surface water.

" at depth of fathoms. "

at bottom, ...

Density at surface, temp.,

" at depth of fathoms, " at bottom. "

Number of salinometer.

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

" of bottom "; force,

Name of vessel,

Service to which attached,

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TEMPERATURE AND DENSITY.

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; force,

Name of vessel.

Service to which attached,

" of bottom "

Name and rank of commanding officer,

TEMPERATURE AND DENSITY.

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Name of vessel.

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Name and position of observer,

Name and rank of commanding officer,

Service to which attached,

Name of vessel.

TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, : of tide.

Locality,

Exact position,

Depth,

Nature of bottom,

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Direction of drift, ; distance,

Temperature of air, therm. No...

" of surface water,

at depth of fathoms,

at bottom,

Density at surface, temp.,

" at depth of fathoms,

at bottom.

Number of salinometer.

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

· of bottom if ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

TEMPERATURE AND DENSITY.

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Direction of drift, ; distance,

Temperature of air, therm. No.,

of surface water,

·· at depth of fathoms,

at bottom,

Density at surface, temp.,

" at depth of fathoms, "

· at bottom.

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Barometer reading.

State of sky.

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

" of bottom "; force,

Name of vessel.

Service to which attached.

Name and rank of commanding officer,

TEMPERATURE AND DENSITY.

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Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

of surface water,

·· at depth of fathoms, ··

" at bottom,

Density at surface, temp.,

at depth of fathoms,

at bottom.

Number of salinometer.

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

of bottom " ; force.

Name of vessel.

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Name and rank of commanding officer,

TEMPERATURE AND DENSITY.

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Name and rank of commanding officer,

Service to which attached.

Name of vessel.

TEMPERATURE AND DENSITY.

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Time of day, : of tide,

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Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water,

" at depth of fathoms. "

at bottom, ...

Density at surface, temp.,

" at depth of fathoms, "

at bottom.

Number of salinometer.

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

" of bottom "; force,

Name of vessel.

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TEMPERATURE AND DENSITY.

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Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

of surface water,

.. at depth of fathoms, ...

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Density at surface, temp.,

" at depth of atthoms, "

at bottom,

Number of salinometer.

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

" of bottom "; force,

Name of vessel,

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Name and rank of commanding officer,

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Station No. Date. Time of day, : of tide. Locality, Exact position, Depth. Nature of bottom, Dredging instrument used, ; distance, Direction of drift, therm. No., Temperature of air. of surface water, at depth of fathonis. .. at bottom, Density at surface. temp., " at depth of fathoms, at bottom, Number of salinometer. Barometer reading. State of sky, Direction of wind, : force. Rain. Direction of surface current. : force, of bottom · ; force,

Name of vessel.

Service to which attached.

Name and rank of commanding officer,

TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day,

; of tide,

Locality,

Exact position,

Depth,

Nature of bottom.

Dredging instrument used,

Direction of drift,

; distance,

Temperature of air,

therm. No ..

" of surface water,

" at depth of fathoms.

at bottom,

temp..

Density at surface,

.. at depth of fathoms,

" at bottom,

Number of salinometer.

Barometer reading.

State of sky,

Direction of wind,

; force,

Rain.

Direction of surface current,

; force,

of bottom "

; force,

Name of vessel.

Service to which attached,

Name and rank of commanding officer,

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Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom.

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

· of surface water,

" at depth of fathoms, "

at bottom.

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, ...

Number of salinometer.

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

of bottom "; force,

Name of vessel.

Service to which attached,

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Time of day, : of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

of surface water,

·· at depth of fathoms, ··

at bottom, ...

Density at surface, temp.,

" at depth of fathoms, "

at bottom,

Number of salinometer.

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

of bottom "; force,

Name of vessel,

Service to which attached,

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: force.

Name of vessel.

Service to which attached,

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Name and rank of commanding officer,

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Locality,

Exact position,

Depth,

Nature of bottom.

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water,

· at depth of fathoms, ·

at bottom,

Density at surface, temp.,

" at depth of fathoms, "

" at bottom,

Number of salinometer.

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

of bottom " : force,

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Direction of drift, ; distance,

Temperature of air, therm. No.,

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Barometer reading.

State of sky,

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Direction of surface current, ; force,

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Depth,

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Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

of surface water,

" at depth of fathoms,

.. at leottom,

Density at surface, temp.,

" at depth of afathoms,

-4 at bottom,

Number of salinometer.

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

of bottom " ; force,

Name of yessel.

Service to which attached.

Name and rank of commanding officer,

TEMPERATURE AND DENSITY.

Station No. Date, Time of day. : of tide. Locality. Exact position, Depth, Nature of bottom. Dredging instrument used. Direction of drift, ; distance, Temperature of air, therm. No., .. of surface water. · at depth of fathoms, at l:ottom, Density at surface, " at depth of fathoms, at bottom. Number of salinometer. Barometer reading. State of sky, Direction of wind. : force. Rain. Direction of surface current. ; force, of bottom : force.

Name and position of observer,

Name and rank of commanding officer,

Name of vessel.

Service to which attached,

TEMPERATURE AND DENSITY.

Station No.

Date.

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No...

of surface water,

.. at depth of fathoms,

at hottom,

Density at surface, temp.,

" at depth of fathoms,

44 at bottom.

Number of salinometer.

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

" of bottom "; force,

Name of vessel.

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Temperature of air, therm. No...

of surface water,

" at depth of fathoms,

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Number of salinometer.

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

of bottom "; force.

Name of vessel.

Service to which attached,

Name and rank of commanding officer,

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Station No. Date, Time of day, : of tide. Locality, Exact position, Depth. Nature of bottom, Dredging instrument used, Direction of drift, ; distance, therm. No., Temperature of air, · of surface water, at depth of fathoms. at bottom, Density at surface, ... temp., at depth of fathoms, at bottom. Number of salinometer. Barometer reading. State of sky, Direction of wind. ; force. Rain. Direction of surface current, : force. of bottom " : force.

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Name and rank of commanding officer,

Name of vessel.

Service to which attached.

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Station No.

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Depth,

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Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

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Name of vessel,

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Station No.

Date,

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Barometer reading.

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Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

" of bottom "; force,

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